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logg's conclusion, numbered (2) in this paper, and one that casts doubt upon the correctness of the three other conclusions herein discussed.

It is my belief that the results of the experiments and observations herein described when considered in connection with the observations of other investigators on various species of lamellibranchs and on various protozoa and metazoa, afford a satisfactory basis for concluding that the oyster is not the helpless automaton Dr. Kellogg makes it out to be, but that it possesses sufficient control over its ciliary feeding mechanism to prevent its starving in the presence of water-borne food material, even though the food particles and associated sand grains may be carried to its gills and palps in bewildering abundance.

This control of the feeding mechanism and the ability to select food may conceivably be exercised through control of the direction of the effective beat of the cilia of certain tracts on the palp surfaces and, since reversal in the stroke of cilia on the palps (*nebenkiemen*) of lamellibranchs has actually been observed by Engelmann and others, and since selection and rejection of foreign particles through control of ciliary movement have been observed in various animals (*Stentor*, *Metridium*, etc.), we may well expect to find that the oyster exercises control over its feeding processes through ability to change the direction of the effective stroke of the cilia of certain tracts on its palps.

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THE AMERICAN ASSOCIATION OF MUSEUMS

THE American Association of Museums held its eleventh annual meeting in Washington, D. C., May 15-18. The opening session was devoted to the transaction of business, and to a special report by Secretary Paul M. Rea on the "Condition and Needs of American Museums." This report summarized the work of the association during the past ten years, reviewed the studies of American museums which have been made on behalf of the association, and outlined the work which might be undertaken for the furtherance of museum development.

The evening of May 15 was devoted to a supper in celebration of the decennial of the American Association of Museums. Following this supper the presidential address was given by Dr. Oliver C. Farrington on "Some Relations of Art and Science in Museums." The remainder of the evening was occupied with informal remarks by members of the association. This session was presided over by Dr. W. J. Holland, of the Carnegie Museum, who was one of the founders of the association and its third president.

At the morning session on May 16 a group of papers was presented reporting progress in a concerted experiment by several museums in the use of museums for instruction in the history of civilization. This symposium was arranged by Miss Anna D. Slocum, acting on behalf of the association in cooperation with the Woman's Education Association of Boston. The titles of the papers were as follows:

"A Study of Nations through the Museum," by Miss Anna D. Slocum.

"History Study and Museum Exhibits," by Miss Delia I. Griffin.

"Museum Stories of Art and Civilization," by Miss Margaret E. Sawtelle.

"The Museum Story as an Introduction to History," by Mrs. Laura W. L. Scales.

"Teaching History in the Museum," by Mrs. Agnes L. Vaughan.

"The Museum and the School," by Miss Lotta A. Clark.

Other papers presented at this session were "A Museum Game," by Miss Eva W. Magoon, and a paper on the "Development of the N. W. Harris Public School Extension of the Field Museum of Natural History," by Mr. S. C. Simms. Miss Viola M. Bell, of Teachers College, Columbia University, presented by invitation a paper on "Relations of Domestic Science Teaching to Museums." Following these papers the association proceeded to the election of officers with the following result:

President, Henry R. Howland, Buffalo Society of Natural Sciences.

Vice-president, Newton H. Carpenter, Art Institute of Chicago.

Secretary, Paul M. Rea, The Charleston Museum (S. C.).

Treasurer, W. P. Wilson, The Philadelphia Museums.

Assistant Secretary, Laura L. Weeks, The Charleston Museum (S. C.)

The retiring president, Dr. Oliver C. Farrington,

of the Field Museum of Natural History in Chicago, and Mr. Harold L. Madison, of the Park Museum in Providence, became members of the council.

The session of Tuesday afternoon, May 16, was presided over by Mr. Henry W. Kent, of the Metropolitan Museum of Art, and was devoted to a discussion of instruction service in museums. The following papers were presented:

Introduction, by Mrs. Agnes L. Vaughan.

"Exhibitions of Children's Drawings," by Mrs. Jeannette M. Diven.

"Courses offered by Museums," by Dr. G. Clyde Fisher.

"Required Reading and Reviews," by Miss Alice W. Wilcox.

"School Credits," by Mr. William L. Fisher.

"Experimental Examinations," by Miss Agnes L. Pollard.

"Connections with Colleges," by Mrs. Laura W. L. Scales and Mr. William L. Fisher.

The evening session of May 16 was devoted to a consideration of the relations of museums with the public. The following papers were presented:

"A New Form of Museum Advertising," by Mr. Herbert E. Sargent.

"Advertising an Art Museum," by Miss Margaret T. Jackson.

"How the Art Institute of Chicago has Increased its Usefulness," by Mr. Newton H. Carpenter.

"Increasing the Usefulness of Museums," by Mr. John C. Dana.

At the morning session of May 17 the following papers dealing with museum methods were presented:

"The MacLean Museum Case," by Mr. L. Earle Rowe. (Illustrated.)

"Museum Exhibition Cases," by Mr. Harold L. Madison. (Illustrated.)

"Index Labels," by Mr. Roy W. Miner. (Illustrated.)

"A New Development in Museum Groups," by Mr. Dwight Franklin. (Illustrated.)

"Some New Installation of Industrial Material," by Mr. William L. Fisher. (Illustrated.)

"Installation of Textile Fabrics," by Mr. Frederick L. Lewton.

"Installation of Ethnological Material," by Dr. Walter Hough.

"Suggestions for a Forestry Exhibit," by Dr. A. R. Crook.

In the afternoon of May 17 the association met with the American Federation of Arts, Dr. Edward

Robinson, of the Metropolitan Museum of Art, presiding. The subject of discussion was The Art Museum and the People. The following papers were presented:

"The Story Method of Instruction," by Miss Margaret E. Sawtelle.

"A Small Museum and its Value to a Community," by Mr. J. G. Butler, Jr.

"A National Museum and School of Art," by Mr. Henry Tupper Bailey.

Wednesday evening, May 17, the regents and secretary of the Smithsonian Institution tendered a reception to the American Association of Museums and to the American Federation of Arts.

At the concluding session on Thursday, May 18, the following papers were presented:

"The Correlation of Art and Science in the Museum," by Professor Homer R. Dill.

"Administrative Organization," by Mr. Benj. Ives Gilman.

In discussing the future work of the association a general desire was expressed for the publication of a museum journal to replace the annual volume of *Proceedings*. This and other suggestions regarding future work were referred to the council for consideration.

A movement to secure a larger representation of the trustees of museums in the membership of the association was begun at the San Francisco meeting last year. Further discussion of this subject took place at Washington, and a committee was appointed to bring to the attention of museum trustees the intimate relation of the work of the association to the welfare of their institutions.

Other committees were appointed as follows:

A committee to consider a communication of the College Art Association with reference to the development of adequate training for museum workers.

A committee to consider methods of cooperation with the American Federation of Arts.

A committee to consider the possibility of cooperation between museums and the Forest Service in illustrating the principles of forestry by museum exhibits.

Invitations for the 1917 meeting of the association were received from museums in Springfield (Mass.), New York City and Philadelphia. A vote of appreciation and thanks was extended to these museums, and the final decision referred to the council.

PAUL M. REA,
Secretary